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(54) Title: FERMENTATION PROCESS, STARTER CULTURE AND GROWTH MEDIUM

(57) Abstract: Ethanol production from biomass can be rendered more effective by the use of at least one fungus or a mix of fungi capable of fermenting pentose compounds, or both pentose as well as hexose compounds. Preferably said at least one fungus is a fungus belonging to the species Chalara sp., optionally used in combination with a second fungus belonging to the species Trametes sp. Preferably said fungus or fungi is/are used in combination with other fermenting microorganisms, such as a yeast, e.g. *Saccharomyces cerevisiae*.